

# DEUTZ TCD 2.9

For narrow-track tractors

63–77 kW | 84–103 hp at 2200 min<sup>-1</sup>/rpm | EU Stage IIIB

The DEUTZ TCD 2.9 NT is the compact, water-cooled 4-cylinder inline engine for narrow-track tractors with a power range from 84 to 103 hp. It complies with the requirement of the EU Stage III B. The engine has turbocharging, charge-air cooling and cooled external exhaust gas recirculation.

## DISCOVER THE TCD 2.9

- Newly-designed, water-cooled 4-cylinder inline engine with cooled external exhaust gas return with turbo charging and charge air cooling.
- Use of DVERT<sup>®</sup> oxidation catalytic converter (DOC) enables maintenance-free operation under all application and ambient conditions.
- 100% power take-off at flywheel and front end and additional side PTO drive with up to 120 Nm for the mounting of up to two hydraulic pumps.
- Best cold starting performance even under extreme conditions.
- The engines have an modular exhaust gas aftertreatment system (EAT).
- 500 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- The powerful Common Rail injection system and highly-efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.
- The engine fulfil the requirements of EU stage IIIB with the DVERT<sup>®</sup> oxidation catalytic converter.
- The extremely compact engine design and customer friendly accessories reduce the installation costs and increase the number of applications.



## TECHNICAL DATA

Engine type		TCD 2.9 L4	
No. of cylinders		4	
Bore/stroke	mm   in	92/110   3.6/4.3	
Displacement	l   cu in	2.9   177	
Max. nominal speed	min <sup>-1</sup>   rpm	2200	

Engine type		TCD 2.9 L4		
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	63   84	70   94	77   103
at speed	min <sup>-1</sup>   rpm	2200	2200	2200
Max. power	kW   hp	70   94	75   101	82   110
at speed	min <sup>-1</sup>   rpm	2000	2000	2000
Max. torque	Nm   lb/ft	400   295	410   302	420   310
at speed	min <sup>-1</sup>   rpm	1600	1600	1600
minimum idling speed	min <sup>-1</sup>   rpm	900	900	900
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	220   0.36	221   0.36	222   0.36
Weight	kg   lb	340   750	340   750	340   750

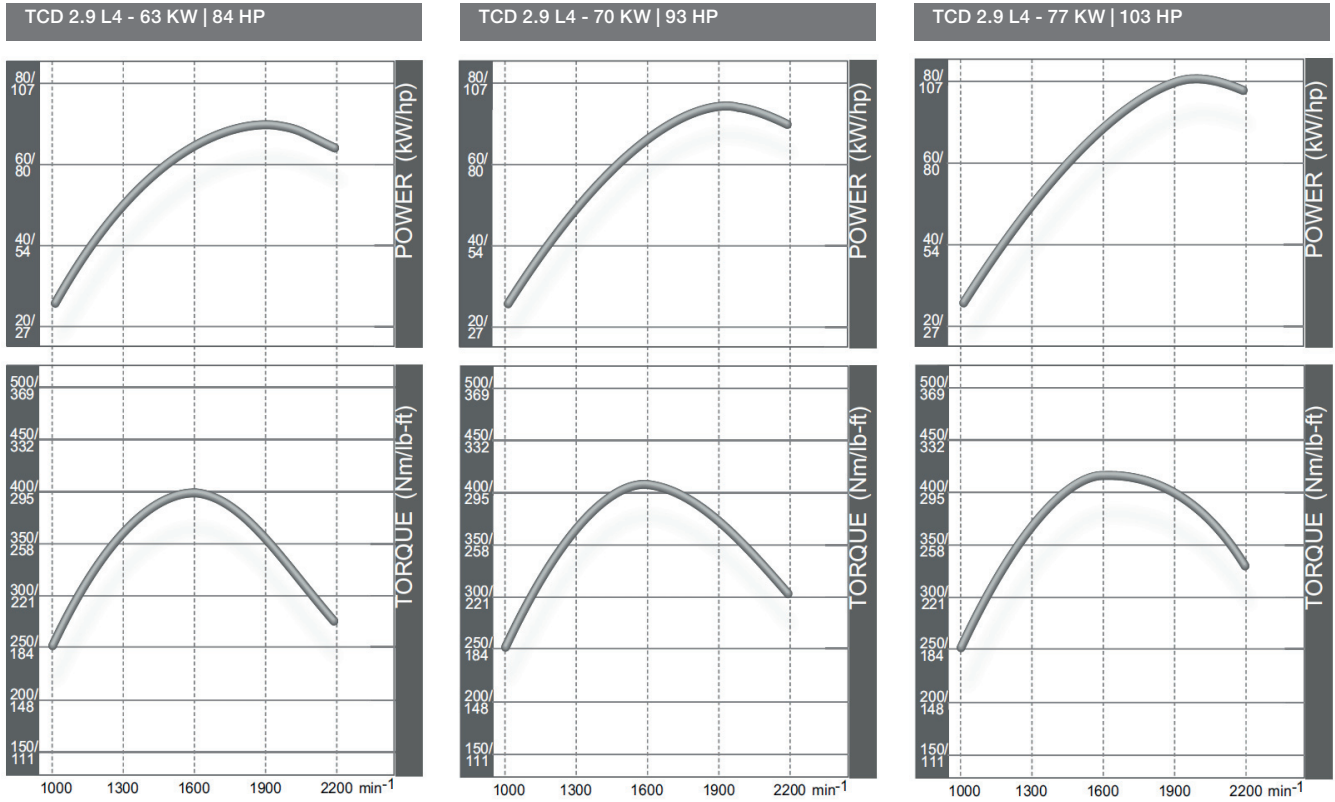
1) Power data without deduction of fan power.

2) Best point consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

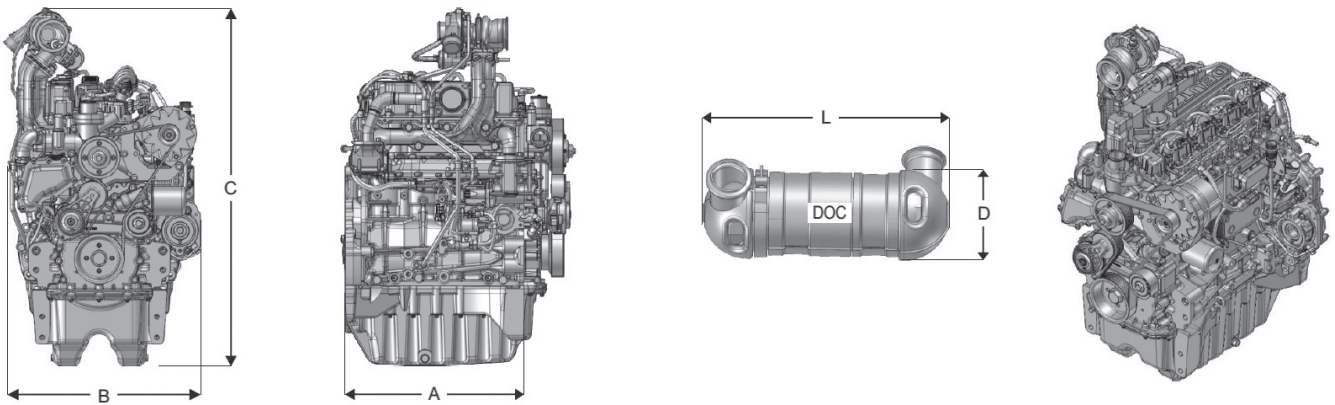
The engine company.



**TORQUE CURVES**



**DIMENSIONS**



		A	B	C	D	L	DVERT®-AGN DOC
TCD 2.9 L4	mm   in	478   18.8	522   20.6	952   37.5	190   7.5	380   15	■

■ Standard

The open DVERT® exhaust aftertreatment system (EAT) does not satisfy the regulations of certain markets that have specified additional limit values for the number of particles (e.g. Switzerland).

Note: The engine dimensions and weights vary depending on the scope of delivery.

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